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Academic Qualifications

University/Institution	Type	Degree	Period
University of Warwick	PhD	Gestão	2000
Instituto Superior de Economia e Gestão - UTL	M.Sc.	Economia	1994
ISCTE-IUL - Instituto Superior Ciências Trabalho e da Empresa	Licenciate	Organização e Gestão de Empresas	1990

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.

2026/2027	2º	Liability Management	Post Graduation Program in Financial Markets and Risk Management;	Yes
2026/2027	2º	Structured Products	Master Degree in Financial Mathematics;	Yes
2026/2027	2º	Investments	Bachelor Degree in Management;	Yes
2026/2027	1º	Dissertation in Mathematical Finance		Yes
2026/2027	1º	Master Project in Mathematical Finance		Yes
2026/2027	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2026/2027	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2025/2026	2º	Fixed Income Markets	Other programme in PostGraduate in Corporate Finance;	Yes
2025/2026	2º	Investments	Bachelor Degree in Management;	Yes
2025/2026	2º	Exotic Options		Yes
2025/2026	1º	Risk Theory for Non-Life Insurance		Yes
2025/2026	1º	Dissertation in Mathematical Finance		Yes
2025/2026	1º	Master Project in Mathematical Finance		Yes
2025/2026	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2025/2026	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2024/2025	2º	Liability Management	Post Graduation Program in Financial Markets and Risk Management;	Yes
2024/2025	2º	Fixed Income Markets	Other programme in PostGraduate in Corporate Finance;	Yes
2024/2025	2º	Investments	Bachelor Degree in Management;	Yes
2024/2025	2º	Exotic Options		Yes
2024/2025	1º	Risk Theory for Non-Life Insurance		Yes
2024/2025	1º	Dissertation in Mathematical Finance		Yes
2024/2025	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes

2024/2025	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2023/2024	2º	Financial Modelling		Yes
2023/2024	2º	Fixed Income Markets	Other programme in PostGraduate in Corporate Finance;	Yes
2023/2024	2º	Investments	Bachelor Degree in Management;	Yes
2023/2024	2º	Exotic Options		Yes
2023/2024	1º	Risk Theory for Non-Life Insurance		Yes
2023/2024	1º	Dissertation in Mathematical Finance		Yes
2023/2024	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2023/2024	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2022/2023	2º	Dissertation in Mathematical Finance		Yes
2022/2023	2º	Liability Management	Post Graduation Program in Financial Markets and Risk Management;	Yes
2022/2023	2º	Fixed Income Markets	Other programme in PostGraduate in Corporate Finance;	Yes
2022/2023	2º	Investments	Bachelor Degree in Management;	Yes
2022/2023	2º	Exotic Options		Yes
2022/2023	1º	Risk Theory for Non-Life Insurance		Yes
2022/2023	1º	Dissertation in Mathematical Finance		Yes
2022/2023	1º	Asset Pricing II	Doctorate Degree (PhD) in Finance;	No
2022/2023	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2022/2023	1º	Investments	Master Degree in Finance;	No
2022/2023	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2021/2022	2º	Dissertation in Mathematical Finance		Yes
2021/2022	2º	Fixed Income Markets	Other programme in PostGraduate in Corporate Finance;	Yes
2021/2022	2º	Investments	Bachelor Degree in Management;	Yes

2021/2022	2º	Exotic Options		Yes
2021/2022	1º	Dissertation in Mathematical Finance		Yes
2021/2022	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2021/2022	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2020/2021	2º	Dissertation in Mathematical Finance		Yes
2020/2021	2º	Liability Management	Post Graduation Program in Financial Markets and Risk Management;	Yes
2020/2021	2º	Fixed Income Markets	Other programme in PostGraduate in Corporate Finance;	Yes
2020/2021	2º	Investments	Bachelor Degree in Management;	Yes
2020/2021	2º	Programming		Yes
2020/2021	2º	Exotic Options		Yes
2020/2021	2º	Stochastic Calculus in Finance I		Yes
2020/2021	2º	Partial Differential Equations in Finance		Yes
2020/2021	2º	Stochastic Calculus in Finance II		Yes
2020/2021	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2020/2021	1º	Financial Investments		Yes
2020/2021	1º	Numerical Methods		No
2020/2021	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2020/2021	1º	Measure Theory		Yes
2019/2020	2º	Dissertation in Mathematical Finance		Yes
2019/2020	2º	Investments	Bachelor Degree in Management;	Yes
2019/2020	2º	Programming		Yes
2019/2020	2º	Exotic Options		Yes
2019/2020	2º	Stochastic Calculus in Finance I		Yes

2019/2020	2º	Partial Differential Equations in Finance		Yes
2019/2020	2º	Stochastic Calculus in Finance II		Yes
2019/2020	1º	Investments	Bachelor Degree in Finance and Accounting;	Yes
2019/2020	1º	Financial Investments		Yes
2019/2020	1º	Numerical Methods		Yes
2019/2020	1º	Models of the Term Structure of Interest Rates	Master Degree in Financial Mathematics;	Yes
2019/2020	1º	Measure Theory		Yes

Supervisions

• Ph.D. Thesis

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Domingos da Silva Ferreira	ANÁLISE DA PARIDADE PUT-CALL EM OPÇÕES SOBRE OS ÍNDICES DE ACÇÕES: PSI-20 E IBEX-35	English	Developing	Iscte
2	Paulo Miguel M Gama Gonçalves	A PREVISÃO DOS RETORNOS EM ACÇÕES UTILIZANDO VARIÁVEIS FUNDAMENTAIS: PORTUGAL (1989-1999)	English	Developing	Iscte
3	Rui Manuel M dos Anjos Alpalhão	NACIONALIZAÇÕES, INDEMINIZAÇÕES E PRIVATIZAÇÕES EM PORTUGAL: ANÁLISE DAS TRANSFERÊNCIAS DE RIQUEZA E REESTRUTURAÇÕES EMPRESARIAIS	English	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Fernando Correia da Silva	Caps, floors and collars on continuous flows and investment decisions	English	Iscte	2023
2	Mário Jorge Correia Fernandes	Three Essays on Modeling Energy Prices with Time-Varying Volatility and Jumps	--	Iscte	2021

3	Pedro Miguel Silva Prazeres	Essays on Options Princing, with Apllications on Interest Rates, Equities and Credit Derivatives	--	Iscte	2017
4	João Pedro Ruas	--	English	Iscte	2013
5	João Pedro Bento Ruas	Three Essays on the Valuation of American-Style Options	English	Iscte	2013
6	Luís Alberto Ferreira de Oliveira	Theoretical and Empirical Essays Onthe Heath-jarrow-morton Framework	--	Iscte	2007
7	Paulo Miguel Marques Gama Gonçalves	Essays on International Equity Markets	English	Iscte	2005

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Dmytro Yefimenko	Joint SPX/VIX calibration through the Guyon (2020) methodology	English	Delivered	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Catarina Isabel Marcos Mota	Pricing Barrier Options under the Heston Model using the COS Method	Portuguese	Iscte	2026
2	José Miguel Mateus Serejo Rocha das Neves	Risk-neutral distributions implied from stochastic volatility jump-diffusion models.	English	Iscte	2025
3	Cláudio dos Santos Machado	Implied Risk-Neutral Distribution: Parametric approaches	English	Iscte	2025
4	Miguel Natal de Brito Boto	Numerical and Theoretical Analysis of Lognormal and Location-Scale t Mixture Models for Risk-Neutral Density Recovery	English	Iscte	2025
5	Sofia Barreto Baptista Basílio	Credit Risk Analysis of Green Bonds and comparison with Conventional Bonds	English	Iscte	2025
6	Mafalda Amaro Caneira	the variance risk premium	English	Iscte	2024
7	André Filipe Assunção Damásio	Risk premium for futures on the VIX-squared under the Eraker-Wu (2017) model	English	Iscte	2023
8	Ana Marisa Silva Sousa	Calibration of the Jarrow and Yildirim (2003) for the determination of the price of TIPS bonds	Portuguese	Iscte	2023

9	Daniel Alexandre Velho Ferreira	Pricing after the IBOR era	English	Iscte	2022
10	Claudio Alberto Salinas Tejerina	Do the SPX and VIX co-jump?	English	Iscte	2021
11	João Luís Gomes Ferreira Campos Andrada	Implied Volatility Surface - Parametric Representation	Portuguese	Iscte	2018
12	Ricardo Manuel Santos Oliveira Tomaz	The Market Value of Corporate Votes: Another Approach.	English	Iscte	2017
13	João Miguel Sousa Machado Castilho Borges	Impacto da Politica do Quantitative Easing num Portfólio de Investimento	Portuguese	Iscte	2017
14	Inês Sofia Morais Ferreira	Opções sobre commodities	Portuguese	Iscte	2016
15	Bruno Filipe Soares dos Santos Sousa	Credit Valuation Adjustment	English	Iscte	2016
16	Ricardo Nuno Santos Aleixo de Matos	Stochestic Volatility Jump-diffusion Models us time-changed levy Processes	English	Iscte	2014
17	Pedro Simões Oliveira	The corvolution method for princing American options under levy processes	English	Iscte	2014
18	Igor Viktorovich Kravchenko	Barrier Option Pricing Via Heston Model	English	Iscte	2013
19	Sara Alexandra da Costa Veloso	O Modelo Fiscal de Avaliação de Prédios Urbanos e o Ciclo Económico do País	Portuguese	Iscte	2013
20	Jorge Miguel Fernandes Nascimento	Dimensão e especificação de volatilidades e correlações para lognormal LIBOR market models: uma avaliação empírica	English	Iscte	2004
21	Maria Isabel Lopes Soares	Kalman filtering of affine term structure models with macro state variables	English	Iscte	2004
22	Sofia Nú Oliveira	Empirical analysis of the primary market for range notes	English	Iscte	2003
23	Luís Alberto Ferreira de Oliveira	The quality option implicit in treasury bond futures contracts: a theoretical and empirical assessment	English	Iscte	2002

• M.Sc. Final Projects

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Marta Filipa das Neves Antunes	Evaluation of an Interest Rate Cap: Methodology, Implementation, and Results	Portuguese	Iscte	2025

2	Sabrina Maria Bastos Serralva	Assessment of the Fair Value of an Interest Rate Cap for Financial Risk Management in a Company	English	Iscte	2024
3	Margarida Dinis Silvestre	Pateo Wine Bar & Heritage Shop	English	Iscte	2012
4	Sara Isabel Poço Ramos	Decomposição, Avaliação e Hedging de um Produto Estruturado	Portuguese	Iscte	2012
5	Tiago Miguel Vargas Tavares	Modelos de Taxa de Juro após a Crise de Crédito e Liquidez	Portuguese	Iscte	2012
6	Iva Bagic	Singue and Combined Option Trading Strategies.	--	Iscte	2011
7	Arne Neumann	Assembly and Preparation for the Derivative Market - A Convenience Comparison Between Financial Options and Futures with View to the Eurex and Liffe.	--	Iscte	2011
8	William Hilebrand	The Valuation of Callable Defaultable Bonds.	--	Iscte	2011
9	Luís Filipe Dôres Veiga	--	--	Iscte	2011
10	Jorge Alexandre Rodrigues Domingues	--	--	Iscte	2011
11	Filipa Isabel Ferreira Alcaide	Covered Bond Market - Is Legislation Impact Measurable?	English	Iscte	2011
12	Maria da Graça Teixeira Duarte de Aguiar Câmara	O Efeito Smile - Uma Aplicação ao DAX.	Portuguese	Iscte	2010
13	Diogo Monteiro da Costa Soares Justino	Hedging of Barrier Options.	Portuguese	Iscte	2010
14	Cláudia Patrícia Gonçalves Simões	Euro Área Inflation-Linked Bonds Market: Analysis and immunization abilities.	Portuguese	Iscte	2010
15	Aloísio Bragança Gomes Will	Ambidiesel - Produção de Combustíveis Alternativos.	Portuguese	Iscte	2010
16	Carina Sofia Ferreira da Silva	O Mercado Organizado de CO2 - Oportunidade de Investimento e Melhoria do Ambiente Compatíveis?	Portuguese	Iscte	2009
17	Fernando Manuel de Deus Infante	Basileia II: Análise das Implicações do Pilar 2 na Organização do Processo de Supervisão.	Portuguese	Iscte	2009

Total Citations

Web of Science®	383

Scopus	300

Publications

- **Scientific Journals**

- Scientific journal paper

1	Dias, J. C., Nunes, J. P. V., Ruas, J. P. & Silva, F. C. da. (2026). Optimal investment decisions with minimum price guarantees under the constant elasticity of variance process. Omega, 143. https://doi.org/10.1016/j.omega.2026.103556
2	Dias, J. C., Nunes, J. P. V. & Silva, F. (2024). Novel analytic representations for caps, floors, collars, and exchange options on continuous flows, arbitrage-free relations, and optimal investments. Journal of Futures Markets, 44(12), 1869?1887. https://doi.org/10.1002/fut.22549 - Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 4
3	Dias, J. C., Nunes, J. & Silva, F. (2024). Finite maturity caps and floors on continuous flows under the constant elasticity of variance process. European Journal of Operational Research, 316(1), 361?385. https://doi.org/10.1016/j.ejor.2024.01.039 - Times Cited Web of Science®: 7 - Times Cited Scopus: 6 - Times Cited Google Scholar: 10
4	Glória, C. M., Dias, J. C., Ruas, J. P. & Nunes, J. P. V. (2024). The interaction between equity-based compensation and debt in managerial risk choices. Review of Derivatives Research, 27(3), 227?258. https://doi.org/10.1007/s11147-024-09205-0 - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 1
5	Fernandes, M. C, Dias, J. C. & Nunes, J. (2024). Performance comparison of alternative stochastic volatility models and its determinants in energy futures: COVID19 and Russia–Ukraine conflict features. Journal of Futures Markets, 44(3), 343?383. https://doi.org/10.1002/fut.22469 - Times Cited Web of Science®: 4 - Times Cited Scopus: 4 - Times Cited Google Scholar: 6
6	Nunes, J. & Ruas, J. (2024). A note on the Gumbel convergence for the Lee and Mykland jump tests. Finance Research Letters, 59. https://doi.org/10.1016/j.frl.2023.104814 - Times Cited Web of Science®: 2 - Times Cited Scopus: 2
7	Bravo, J. M. & Nunes, J. (2021). Pricing longevity derivatives via Fourier transforms. Insurance: Mathematics and Economics, 96, 81?97. https://doi.org/10.1016/j.insmatheco.2020.10.008 - Times Cited Web of Science®: 45 - Times Cited Scopus: 29 - Times Cited Google Scholar: 70

8	Fernandes, M. C, Dias, J. C. & Nunes, J. (2021). Modeling energy prices under energy transition: A novel stochastic-copula approach. Economic Modelling, 105. https://doi.org/10.1016/j.econmod.2021.105671 - Times Cited Web of Science®: 16 - Times Cited Scopus: 17 - Times Cited Google Scholar: 21
9	Nunes, J., Ruas, J. & Dias, J. C. (2020). Early exercise boundaries for American-style knock-out options. European Journal of Operational Research, 285(2), 753?766. https://doi.org/10.1016/j.ejor.2020.02.006 - Times Cited Web of Science®: 13 - Times Cited Scopus: 10 - Times Cited Google Scholar: 16
10	Dias, J. C., Nunes, J. & Cruz, A. (2020). A note on options and bubbles under the CEV model: Implications for pricing and hedging. Review of Derivatives Research, 23(3), 249?272. https://doi.org/10.1007/s11147-019-09164-x - Times Cited Web of Science®: 10 - Times Cited Scopus: 8 - Times Cited Google Scholar: 14
11	Nunes, J. P. V., Dias, J. C. & Ruas, J. P. (2020). The early exercise boundary under the jump to default extended CEV model. Applied Mathematics and Optimization, 82(1), 151?181. https://doi.org/10.1007/s00245-018-9496-7 - Times Cited Web of Science®: 2 - Times Cited Scopus: 3 - Times Cited Google Scholar: 6
12	Dias, J. C. & Nunes, J. P. V. (2018). Universal recurrence algorithm for computing Nuttall, generalized Marcum and incomplete Toronto functions and moments of a noncentral x2 random variable. European Journal of Operational Research, 265(2), 559?570. https://doi.org/10.1016/j.ejor.2017.08.002 - Times Cited Web of Science®: 5 - Times Cited Scopus: 3 - Times Cited Google Scholar: 7
13	Ruas, J. P., Nunes, J. P. V. & Dias, J. C. (2016). In-out parity relations for American-style barrier options. Journal of Derivatives, 23(4), 20?32. https://doi.org/10.3905/jod.2016.23.4.020 - Times Cited Web of Science®: 1 - Times Cited Scopus: 1 - Times Cited Google Scholar: 2
14	Nunes, J. P. V. & Alcaria, T. R. V. (2016). Valuation of forward start options under affine jump-diffusion models. Quantitative Finance, 16(5), 727?747. https://doi.org/10.1080/14697688.2015.1049200 - Times Cited Web of Science®: 3 - Times Cited Scopus: 2
15	Dias, J. C., Nunes, J. P. V. & Ruas, J. P. (2015). Pricing and static hedging of european-style double barrier options under the jump to default extended CEV model. Quantitative Finance, 15(12), 1995?2010. https://doi.org/10.1080/14697688.2014.971049 - Times Cited Web of Science®: 21 - Times Cited Scopus: 14 - Times Cited Google Scholar: 25
16	Nunes, J., Ruas, J. & Dias, J. C. (2015). Pricing and static hedging of American-style knock-in options on defaultable stocks. Journal of Banking and Finance, 58, 343?360. https://doi.org/10.1016/j.jbankfin.2015.05.003 - Times Cited Web of Science®: 23 - Times Cited Scopus: 16 - Times Cited Google Scholar: 25

17	Nunes, J. & Prazeres, P. (2014). Pricing swaptions under multifactor gaussian HJM models. Mathematical Finance, 24(4), 762?789. https://doi.org/10.1111/mafi.12019 - Times Cited Web of Science®: 4 - Times Cited Scopus: 4
18	Oliveira, L., Nunes, J. & Malcato, L. (2014). The performance of deterministic and stochastic interest rate risk measures: another question of dimensions?. Portuguese Economic Journal, 13(3), 141?165. https://doi.org/10.1007/s1058-014-0104-8 - Times Cited Web of Science®: 5
19	Ruas, J. P., Dias, J. C. & Nunes, J. (2013). Pricing and static hedging of American-style options under the jump to default extended CEV model. Journal of Banking and Finance, 37(11), 4059?4072. https://doi.org/10.1016/j.jbankfin.2013.07.019 - Times Cited Web of Science®: 32 - Times Cited Scopus: 22 - Times Cited Google Scholar: 36
20	Oliveira, L., Curto, J. D. & Nunes, J. P. (2012). The determinants of sovereign credit spread changes in the Euro-zone. Journal of International Financial Markets, Institutions & Money, 22(2), 278?304. https://doi.org/10.1016/j.intfin.2011.09.007 - Times Cited Web of Science®: 76 - Times Cited Scopus: 64
21	Dias, J. C. & Nunes, J. P. (2011). Pricing real options under the constant elasticity of variance diffusion. Journal of Futures Markets, 31(3), 230?250. https://doi.org/10.1002/fut.20468 - Times Cited Web of Science®: 38 - Times Cited Scopus: 31 - Times Cited Google Scholar: 54
22	Nunes, J. P. V. (2011). American options and callable bonds under stochastic interest rates and endogenous bankruptcy. Review of Derivatives Research, 14(3), 283?332. https://doi.org/10.1007/s11147-010-9058-x - Times Cited Web of Science®: 5 - Times Cited Scopus: 2
23	Nunes, J. (2009). Pricing American Options under the Constant Elasticity of Variance Model and Subject to Bankruptcy. Journal of Financial and Quantitative Analysis, 44, 1231?1263. https://doi.org/10.1017/S0022109009990329 - Times Cited Web of Science®: 44 - Times Cited Scopus: 35
24	Nunes, J. P. V. & Oliveira, L. (2007). Multifactor and analytical valuation of treasury bond futures with an embedded quality option. Journal of Futures Markets, 27(3), 275?303. https://doi.org/10.1002/fut.20250 - Times Cited Web of Science®: 9
25	Nunes, J. P. V. (2006). Barrier options on spot LIBOR rates under multi-factor Gaussian HJM models. Journal of Derivatives, 14(1), 61?81. https://doi.org/10.3905/jod.2006.650199 - Times Cited Scopus: 3
26	Nunes, J. P. V. (2004). Multifactor valuation of floating range notes. Mathematical Finance, 14(2), 79?97. https://doi.org/10.1111/j.0960-1627.2004.00182.x - Times Cited Web of Science®: 15 - Times Cited Scopus: 13
27	Nunes, J. P. V. (2004). A general equilibrium framework for the affine class of term structure models. Portuguese Economic Journal, 3(1), 15?48. https://doi.org/10.1007/s10258-004-0027-x

28	Nunes, J., Clewlow, L. & Hodges, S. (1999). Interest Rate Derivatives in a Duffie and Kan Model with Stochastic Volatility: An Arrow-Debreu Pricing Approach. Review of Derivatives Research, 3, 5?66. https://doi.org/10.1023/A:1009646430215 - Times Cited Scopus: 8
29	Nunes, J. (1998). Interest Rate Options in a Duffie-Kan Model with Deterministic Volatility. Portuguese Review of Financial Markets, 1, 63?101.

• Books and Book Chapters

- Book author

1	Miguel, A., Mota, A., Barroso, C., Nunes, J., Lourenço, J., Oliveira, L....Alpalhão, R. (2019). Investimentos Financeiros - Teoria e Prática. Silabo.
2	Barroso, C., Mota, A., Oliveira, L., Nunes, J. & Inácio, P. (2015). Finanças da Empresa: Teoria e Prática (edição revista e aumentada). Silabo.
3	Mota, A., Barroso, C., Nunes, J., Oliveira, L., Ferreira, M. & Inácio, P. (2015). Finanças da Empresa: Teoria e Prática. Sílabo.
4	Mota, A., Barroso, C., Nunes, J., Oliveira, L. & Ferreira, M. (2012). Investimentos Financeiros:teoria e prática. Edições Sílabo.
5	Barroso, C., Mota, A., Nunes, J. & Ferreira, M. (2012). Finanças da Empresa - Teoria e Prática. Edições Silabo.
6	Barroso, C., Mota, A., Nunes, J. & Ferreira, M. (2010). Finanças da Empresa _ Teoria e Prática. Edições Silabo.
7	Oliveira, L., Mota, A., Barroso, C. & Nunes, J. (2009). Investimentos Financeiros: Teoria e prática. Edições Sílabo.

- Book editor

1	Mota, A., Barroso, C., Nunes, J., Miguel A. Ferreira & Oliveira, L. (2012). Finanças da Empresa: Teoria e Prática. Sílabo.
2	Oliveira, L., Barroso, C., Nunes, J. & Miguel A. Ferreira (2011). Finanças da Empresa Teoria e Prática. Sílabo.

• Other Publications

- Non-peer-reviewed papers

1	Oliveira, L. & Nunes, J. (2012). The Performance of Deterministic and Stochastic Interest Rate Risk Measures: Another Question of Dimension?. SSRN,, 0?0.
2	Oliveira, L. & Nunes, J. (2008). The Performance of Deterministic and Stochastic Interest Rate Risk Measures. SSRN,, 0?0.
3	Nunes, J. (1994). Gestão dos Riscos de Taxa de Juro e de Câmbio. Revista da Aula do Comércio,(15), 10?13.

4	Mota, A. & Nunes, J. (1993). Avaliação de Aplicações Financeiras de Curto Prazo. Revista Iscte Gestão,(1), 13?15.
5	Nunes, J. (1991). Indexante FIP versus Taxas APB. Revista de Gestão,(10), 23?27.

- Other publications

1	Ruas, J., Dias, J. C. & Nunes, J. (2017). Erratum to “Pricing and static hedging of American-style options under the jump to default extended CEV model” (Journal of Banking and Finance (2013) 37(11) (4059–4072) (S0378426613002896) (10.1016/j.jbankfin.2013.07.019)). Journal of Banking and Finance, 81, 20?23. https://doi.org/10.1016/j.jbankfin.2016.04.007
2	Nunes, J., Pereira da Silva, C. & Cadete, J. (2003). The Immunisation of a Workers' Compensation Fund. Bulletin of the Portuguese Institute of Actuaries, 42, 11?39.

• Conferences/Workshops and Talks

- Talk

1	Nunes, J., Ruas, J. & Dias, J. C. (2025). Unpuzzling Volatility Risk Premiums through the Joint SPX/VIX Smile Calibration. Workshop on Financial Risk with Big Data,.
2	Dias, J. C., Nunes, J. & Silva, F. (2024). Novel Analytic Representations for Caps, Floors and Collars on Continuous Flows, Arbitrage-Free Relations and Optimal Investments. 33rd European Financial Management Association (EFMA),.
3	Fernandes, M. C, Dias, J. C. & Nunes, J. (2023). The Behaviour of Stochastic Volatility in Energy Futures Contracts with the COVID- 19 and the Russia–Ukraine Conflict. 12th International Conference of the Financial Engineering and Banking Society,.
4	Dias, J. C., Nunes, J., Ruas, J. & Silva, F. C. (2023). Optimal Investment Decisions with Minimum Price Guarantees under the Constant Elasticity of Variance Process. 26th International Conference on Real Options,.
5	Dias, J. C., Nunes, J., Ruas, J. & Silva, F. C. (2023). Optimal Investment Decisions with Minimum Price Guarantees under the Constant Elasticity of Variance Process. 12th International Conference of the Portuguese Finance Network,.
6	Dias, J. C., Nunes, J. & Silva, F. C. (2022). Finite Maturity Caps and Floors on Continuous Flows under the CEV Process. Informs Annual Meeting,.
7	Dias, J. C., Nunes, J. & Silva, F. C. (2022). Finite Maturity Caps and Floors on Continuous Flows under the CEV Process. 19th EUROPT Workshop on Advances in Continuous Optimization,.
8	Fernandes, M. C, Dias, J. C. & Nunes, J. (2022). Modeling Energy Futures Prices Under Alternative Time-Varying Volatility Dynamics. 29th Annual Global Finance Conference,.
9	Gloria, C. M., Dias, J. C., Ruas, J. & Nunes, J. (2022). The Interaction Between Equity-Based Compensation and Debt in Managerial Risk Choices. Paris Financial Management Conference,.

10	Dias, J. C., Ildefonso, J., Nunes, J. & Ruas, J. (2021). Repeated Richardson Extrapolation and Static Hedging of Barrier Options under the JDCEV Model. 11th International Conference of the Portuguese Finance Network,.
11	Fernandes, M. C, Dias, J. C. & Nunes, J. (2021). Modeling Electricity and Natural Gas Prices under the Electrification of Energy Firms. 14th Annual Meeting of the Portuguese Economic Journal,.
12	Fernandes, M. C, Dias, J. C. & Nunes, J. (2021). Modeling Commodity Prices under Alternative Jump Processes and Fat Tails Dynamics. 11th International Conference of the Portuguese Finance Network,.
13	Dias, J. C. & Nunes, J. (2018). Valuation of Lookback Options and Turbo Warrants on Defaultable Stocks. 12th Workshop on Statistics, Mathematics and Computation,.
14	Dias, J. C. & Nunes, J. (2018). Valuation of Lookback Options and Turbo Warrants on Defaultable Stocks. 10th International Conference of the Portuguese Finance Network,.
15	Ruas, J., Nunes, J. & Dias, J. C. (2018). Early Exercise Boundaries for American-style Knock-Out Options. 10th World Congress of the Bachelier Finance Society,.
16	Dias, J. C., Laureano, L. & Nunes, J. (2017). Corporate Security Valuation under a Barrier Option Framework with State-Dependent Volatility. 5th Paris Financial Management Conference,.
17	Leite, J., Dias, J. C. & Nunes, J. (2017). Computation of Three Discrete Distribution Mixtures of Continuous Distributions: Stability Analysis. 11th International Conference on Computational and Financial Econometrics,.
18	Dias, J. C. & Nunes, J. (2017). Valuation of Lookback Options and Turbo Warrants on Defaultable Stocks. XXIII Congresso da Sociedade Portuguesa de Estatística,.
19	Leite, J., Dias, J. C. & Nunes, J. (2017). Cálculo Computacional de Misturas Discretas de Distribuições Contínuas: Revisão do Método de Benton e Krishnamoorthy. XXIII Congresso da Sociedade Portuguesa de Estatística,.
20	Dias, J. C. & Nunes, J. (2017). Valuation of Lookback Options and Turbo Warrants on Defaultable Stocks. 2nd International Conference on Computational Finance,.
21	Dias, J. C. & Nunes, J. (2016). Valuation of Lookback Options and Turbo Warrants on Defaultable Stocks. 9th World Congress of the Bachelier Finance Society,.
22	Nunes, J., Dias, J. C. & Ruas, J. (2016). The Early Exercise Boundary under the Jump to Default Extended CEV Model. 9th World Congress of the Bachelier Finance Society,.
23	Nunes, J., Ruas, J. & Dias, J. C. (2014). Static Hedging and Early Exercise Boundaries for American-style Barrier Options. 8th World Congress of the Bachelier Finance Society,.
24	Dias, J. C., Nunes, J. & Ruas, J. (2014). Pricing and Static Hedging of American-style Double Knock-In Options. Mathematical Finance Workshop: Stochastic Analysis and Numerical Approximations in Mathematical Finance,.
25	Dias, J. C., Nunes, J. & Ruas, J. (2014). Pricing and Static Hedging of European-style Double Barrier Options under the Jump to Default Extended CEV Model. 8th International Conference of the Portuguese Finance Network,.
26	Nunes, J. & Oliveira, L. (2013). The Performance of Deterministic and Stochastic Interest Rate Risk Measures: Another Question of Dimension?. 7th Annual Meeting of the Portuguese Economic Journal,.

27	Dias, J.C., Nunes, J.P. & Ruas, J. P. (2013). In-Out Parity Relations and Early Exercise Boundaries for American-Style Barrier Options. FMA 17th European Conference,.
28	Nunes, J. & Oliveira, L. (2013). The Performance of Deterministic and Stochastic Interest Rate Risk Measures: Another Question of Dimension?. FMA Europe 2013 Meeting,.
29	Dias, J.C., Nunes, J.P. & Ruas, J. P. (2013). Pricing and Static Hedging of American Options under the Jump to Default Extended CEV Model. FMA 17th European Conference,.
30	Dias, J.C. & Nunes, J.P. (2012). The Valuation of Double Barrier Options under Multifactor Pricing Models. Mathematical Finance Days Conference,.
31	Dias, J.C. & Nunes, J.P. (2012). Pricing Double Barrier Options under the CEV Process: A Speed-Accuracy Comparison of Alternative Methods. 7th World Congress of the Bachelier Finance Society,.
32	Dias, J.C. & Nunes, J.P. (2012). The Valuation of Double Barrier Options under Multifactor Pricing Models. 7th International Conference of the Portuguese Finance Network,.
33	Dias, J.C. & Nunes, J.P. (2012). The Valuation of Double Barrier Options under Multifactor Pricing Models. SIAM Conference on Financial Mathematics & Engineering,.
34	Nunes, J. & Prazeres, P. (2012). Pricing Swaptions under Multifactor Gaussian HJM Models. Mathematical Finance Days 2012 Meeting,.
35	Nunes, J. & Ruas, J. (2012). The Implied Volatility Bias: A No-Arbitrage Approach for Short-Dated Options. EFMA 2012 Meeting,.
36	Dias, J.C. & Nunes, J.P. (2012). Truncated Moments of a Noncentral ?2 Random Variable: An Extension of the Benton and Krishnamoorthy Approach. XX Congresso da Sociedade Portuguesa de Estatística,.
37	Nunes, J. & Prazeres, P. (2012). Pricing Swaptions under Multifactor Gaussian HJM Models. SIAM Conference on Financial Mathematics and Engeneering,.
38	Dias, J.C., Nunes, J.P. & Ruas, J. P. (2012). Pricing and Static Hedging of American Options under the Jump to Default Extended CEV Model. INFORMS Annual Meeting,.
39	Dias, J.C. & Nunes, J.P. (2011). Double Barrier Options Valuation under Multifactor Pricing Models. 21st Annual Derivatives Securities and Risk Management Conference,.
40	Dias, J.C. & Nunes, J.P. (2011). The Valuation of Double Barrier Options under Multifactor Pricing Models. International Conference on Mathematical Finance and Economics,.
41	Dias, J.C. & Nunes, J.P. (2010). Double Barrier Options Valuation under Multifactor Pricing Models. 6th World Congress of the Bachelier Finance Society,.
42	Dias, J.C. & Nunes, J.P. (2008). Pricing Real Options under the CEV Diffusion. 12th International Conference on Real Options,.
43	Dias, J.C. & Nunes, J.P. (2008). Pricing Real Options under the CEV Diffusion. 5th International Conference of the Portuguese Finance Network,.

Academic Management Positions

Membro (2026 - 2030)
Unit/Area: Comissão Científica

Membro (Docente) (2025 - 2029)
Unit/Area: Conselho Geral

Director (2025 - 2027)
Unit/Area: Master Degree in Financial Mathematics

Membro (Docente) (2023 - 2025)
Unit/Area: Plenário do Conselho Científico

Director (2023 - 2025)
Unit/Area: Master Degree in Financial Mathematics

Coordenador (2022 - 2023)
Unit/Area: Post Graduation Program in Financial Markets and Risk Management

Membro (Docente) (2021 - 2023)
Unit/Area: Conselho Geral

Coordenador (2021 - 2025)
Unit/Area: Finance Research Group

Director (2021 - 2023)
Unit/Area: Master Degree in Financial Mathematics

Coordenador (2021)
Unit/Area: Other programme in PostGraduate in Corporate Finance

Coordenador (2020 - 2021)
Unit/Area: Post Graduation Program in Financial Markets and Risk Management

Director (2019 - 2021)
Unit/Area: Master Degree in Financial Mathematics

Membro (Docente) (2018 - 2022)
Unit/Area: Plenário da Comissão Científica

Membro (Docente) (2018 - 2022)
Unit/Area: Comissão Científica

Coordenador (2018 - 2021)
Unit/Area: Finance Research Group

Membro (2017 - 2021)
Unit/Area: Conselho Geral

Director (2017 - 2019)
Unit/Area: Master Degree in Financial Mathematics

Coordenador de ECTS (2015 - 2018)
Unit/Area: Department of Finance

Director (2015 - 2017)
Unit/Area: Master Degree in Financial Mathematics

Sub-diretor (2014 - 2018)
Unit/Area: Department of Finance

Membro (Docente) (2014 - 2018)
Unit/Area: Plenário da Comissão Científica

Membro (Docente) (2014 - 2018)
Unit/Area: Comissão Científica

Director (2013 - 2015)
Unit/Area: Master Degree in Financial Mathematics

Coordenador de ECTS (2012 - 2015)
Unit/Area: Department of Finance

Director (2011 - 2013)
Unit/Area: [BPG004] Financial Markets and Asset Management

Director (2011 - 2013)
Unit/Area: Master Degree in Financial Mathematics

Membro (Docente) (2010 - 2014)
Unit/Area: Plenário do Conselho Científico

Director (2010 - 2011)
Unit/Area: [BPG004] Financial Markets and Asset Management

Director (2010 - 2011)
Unit/Area: Master Degree in Financial Mathematics

Presidente (2010 - 2014)
Unit/Area: Comissão Científica

Director (2010 - 2014)
Unit/Area: Department of Finance

Membro (Docente) (2010 - 2014)
Unit/Area: Plenário da Comissão Científica

Membro (Docente) (2010 - 2014)
Unit/Area: Comissão Científica